

**Position Title**

Industrial Hygienist

**Organization**

C201 / SAFETY AND FACILITY ASSURANCE  
BRANCH

**NASA Announcement Number**

LA12D0037

**Vacancy Type**

Case File

**OPM Control Number / Status**

315331900 / Posted

**Salary Range**

\$81,823 - \$125,695

*Job has closed*

**Open Dates**

04/27/2012 - 05/11/2012

**Pay Plan - Series / Grade (Low, High, Potential)**

GS - 0690 / 13, 14, 14

**Position Information**

Full-Time / Permanent

**Duty Location**

511180650 - Hampton, VA (1)

**Who May Be Considered**

This announcement is open to all qualified U.S. citizens.

**Citizenship Required**

True

**Job Summary**

The incumbent leads a comprehensive industrial hygiene, safety and environmental health program for Langley Research Center.

**Comments**

Relocation expenses may be authorized

TO RECEIVE CONSIDERATION, YOU MUST SUBMIT A RESUME AND ANSWER NASA-SPECIFIC QUESTIONS. THE NASA QUESTIONS APPEAR AFTER YOU SUBMIT YOUR RESUME AND ARE TRANSFERRED TO A NASA WEB SITE. IF YOU SUCCESSFULLY APPLY, USAJOBS WILL SHOW YOUR APPLICATION STATUS AS "RESUME RECEIVED." IF YOUR STATUS IS "APPLICATION STARTED," YOU HAVE NOT SUCCESSFULLY APPLIED. DO NOT RELY ONLY ON THE USAJOBS STATUS TO CONFIRM SUCCESSFUL APPLICATION; ONLY AN EMAIL FROM NASA CONFIRMS SUCCESSFUL APPLICATION.

**Marketing Summary**

Do you want to be a leader in your field at one of the best places to work in the Federal government? Do you want to challenge yourself and others? Do you want to shape our future in space? If you answered "yes" to these questions, then we have a career for you! NASA professionals have unparalleled opportunities to expand horizons for themselves and for the nation. Be part of the team that makes a difference!

**Key Requirements**

1. Successful completion of a security investigation will be required
2. A one-year trial period may be required.
3. Selectee must complete a financial disclosure statement
4. Occasional travel may be required
5. Position subject to a pre-employment drug test and random drug testing

**Total number of openings**

1

## Major Duties

Leads a comprehensive industrial hygiene, safety and environmental health program for Langley Research Center. This includes technical oversight of a wide range of chemical, physical, biological and ergonomic programs and processes associated with research, development, production, test, evaluation, and operations. Responsible for developing policy, work objectives, evaluating programs, and providing technical industrial hygiene and safety advice to field activities, private contracting companies, as well as other agencies at Langley Research Center. In addition, provides technical advice on concerns related to environmental health requirements via long-range mission and Center plans. In addition to the management of the industrial hygiene, safety and environmental health program, provides consultation, direction, or management control over health physics, emergency response, food sanitation, and safety and environmental health training.

Technically manages environmental health activities, human subject testing, chemical laboratories, industrial hygiene, and radiological health services in a unique, world class research and development environment. Manages a comprehensive safety and industrial hygiene program including conducting studies of health aspects related to illumination, ventilation, air pollution, noise, toxicology, and radiation (non-ionizing and ionizing.) Serves as the Center Ergonomics Program Officer and Continuity of Operations/Pandemic Planner Manager.

Provides technically authoritative advice to top management, outside institutions, private industry, and other federal agencies (OSHA) on complex industrial hygiene, health physics, safety, and environmental health issues. Advises on the criteria, design, and specifications of NASA multi-use facilities, occupied by external partners such as academia, private industry and federal agencies to eliminate or control toxic or physical agents that present health hazards. Implements and maintains programs to meet and maintain Voluntary Protection Program (VPP) certification. Advises Occupational Safety and Health Administration (OSHA) on safety, health, and VPP issues. Provides technical advice of the safety and environmental health requirements for major engineering and scientific function developing statements of work, defining resource requirements, and completion objectives, and developing policies and objectives.

Establishes plans and procedures for monitoring a wide range of programs in areas of safety, occupational health, ionizing and non-ionizing radiation or environmental health. Establishes and implements plans and procedures to monitor contractor safety performance of their approved safety plan. Applies facility occupational and environmental health policies, practices, and principles and adheres to the standards, concepts, and principles of industrial hygiene. Provides advice and assistance on occupational and environmental health and safety issues to all levels of the agency, contractor line and staff management.

Develops and applies a systematic approach to identifying and solving occupational and environmental health and safety problems through medical monitoring, encouraging employee participation in loss control methods such as awareness of hazards associated with warehousing, handling of chemical and toxic materials, health, and refrigeration, police operations, vehicle operation and safety matters and other similar program areas.

Determines methods and procedures to be utilized in cases of exposure to asbestos, PCB, chemical solvents, lead exposure, indoor air quality, carcinogens, bio-hazards (molds, fungi, bacteria) and in the handling and

transport of flammable and/or explosive substances and materials and nanotechnology materials.

Provides oversight on emergency response operations with medical, safety, health and environmental staff. Coordinates drills and/or training as needed and implements training and other drills and practices in coordination with the Langley Emergency Responders and the Agency Emergency Preparedness Group.

Participates in meetings with NASA headquarters staff, with high-level officials of other Federal agencies, representatives of cities and state government on matters related to facility safety and environmental health. Attends and participates in meetings of union and management committees as technical expert concerning matters of facility occupational and environmental health and for evaluation and improving facility occupational and environmental health programs.

Serves as the primary liaison with the Occupational Safety and Health Administration on all safety, health and VPP issues. Coordinates communication and discussions on issues with employees, the Union or other sources. Works to maintain a cooperative relationship through VPP, mentoring and other avenues as appropriate.

Conducts annual safety audits of contractors, implementation of their safety plans which meet established requirements and ensure anomalies are immediately corrected.

## **General Qualifications**

**SELECTIVE PLACEMENT FACTOR:** Applicants must possess the following Selective Placement Factor to be considered minimally qualified for this position: The applicant must be a currently recognized and in good standing by the American Board of Industrial Hygiene as a Certified Industrial Hygienist AND by the Board of Certified Safety Professionals as a current Certified Safety Professional. Those without this experience specified in their resume will be found not qualified for this position. Please provide dates of certification and be prepared to provide certificates upon request if selected.

Qualifying experience may have been obtained in field, laboratory, engineering, or other environment if the work provided a means of obtaining a professional knowledge of the theory and application of the principles of industrial hygiene and closely related sciences such as physics and engineering controls. Such work must have involved experience in all of the following areas: the acquisition of quantitative and qualitative data, and the measurement of exposures for a variety of chemical, physical, and biological stresses; the analysis of the data acquired and the prediction of probable effects of exposures on the health and well-being of workers; and the selection and recommendation of appropriate controls, including management, medical, engineering, education or training, and personal protective equipment.

In addition to the education requirements, applicant must have one year of specialized experience equivalent to the next lower grade, which has equipped the applicant with the particular competencies needed to successfully perform the duties of the position described above.

For the GS14 level, examples of specialized experience would be: experience applying professional concepts, principles, and practices of industrial hygiene that enable the incumbent to plan and evaluate extensive long-range industrial hygiene programs and projects; experience as an expert in the broad practice of industrial hygiene or in a major specialization, such as chemical exposure assessment, toxicology or epidemiology; experience applying a mastery of knowledge in the environmental health fields, such as sanitation, health physics and workplace (asbestos, air and water pollution control, pesticide control, drinking water, and food sanitation); experience applying knowledge and skill to apply new developments and experienced judgment to a variety of highly complex industrial hygiene, ergonomics and chemical exposure problems, including technical processes and controls, economic considerations, and health conservation.

For the GS13 level, examples of specialized experience would be: experience applying professional concepts, principles, and practices of industrial hygiene that enable the incumbent to plan and evaluate extensive long-range industrial hygiene programs and projects; experience in the broad practice of industrial hygiene or in a major specialization, such as chemical exposure assessment, toxicology or epidemiology; experience applying knowledge in the environmental health fields, such as sanitation, health physics and workplace (asbestos, air and water pollution control, pesticide control, drinking water, and food sanitation); knowledge and skills to apply new developments and judgment to a variety of highly complex industrial hygiene, ergonomics and chemical exposure problems, including technical processes and controls, economic considerations, and health conservation.

## **Educational Qualifications**

### **Basic Requirements:**

Degree: industrial hygiene; or a branch of engineering, physical science, or life science that included 12 semester hours in chemistry, including organic chemistry, and 18 additional semester hours of courses in any combination of chemistry, physics, engineering, health physics, environmental health, biostatistics, biology, physiology, toxicology, epidemiology, or industrial hygiene. Courses in the history or teaching of chemistry are not acceptable.

OR

Combination of education and experience -- at least 12 semester hours of course work in chemistry, including organic chemistry, and 18 additional semester hours as specified in A above, plus appropriate experience or additional education.

Evaluation of Education: All science or engineering courses offered in fulfillment of the above requirements must be acceptable for credit toward the completion of a standard 4-year professional curriculum leading to a bachelor's degree in science or engineering at an accredited college or university.

### **FOREIGN EDUCATION**

Applicants who have completed part or all of their education outside the U.S. must have their foreign education evaluated by an accredited organization to ensure that the foreign education is comparable to the education received in accredited educational institutions in the U.S. A written evaluation of any foreign education must be provided with your application in response to this vacancy announcement or be received by the closing date of this announcement. For a listing of services that can perform this evaluation, see the National Association of Credential Evaluation Services (NACES) website at <http://www.naces.org/memebers.htm>. Failure to provide this evaluation will result in your being found unqualified for the position.

PLEASE NOTE: If your foreign education has already been accepted by an accredited U.S. educational institution as part of a degree program with that institution, you do not need to provide an evaluation of foreign education but must submit a copy of the transcripts listing the degree from the U.S. accredited institution that accepted your foreign education if you are selected.

## **Requirements**

U.S. citizenship is required.

The applicant must be a currently recognized and in good standing by the American Board of Industrial Hygiene as a Certified Industrial Hygienist AND by the Board of Certified Safety Professionals as a current Certified Safety Professional.

## How You Will Be Evaluated

NASA uses an automated system (Resumix) that matches the competencies extracted from your resume to the competencies identified by the selecting official for the position. Based on the competencies you match, you are placed in one of three categories identified as 90, 80, or 70 pt. quality categories, which are defined as:

90 pt. Category - Tentatively meets (until subsequent confirmation upon referral) the basic qualification requirements identified in the vacancy announcement and has experience in the same or similar job that has demonstrated superior proficiency in the primary requirements of the position.

80 pt. Category - Tentatively meets (until subsequent confirmation upon referral) the basic qualification requirements identified in the vacancy announcement and demonstrates satisfactory proficiency in the primary requirements of the position.

70 pt. Category - Fails to meet criteria described in the 80 pt. category.

Additional application guidance is available in NASA's *Applicant Guide* ([https://resume.nasa.gov/applicant\\_guide.html](https://resume.nasa.gov/applicant_guide.html)).

Information for Veterans: The Category Rating Process protects the rights of veterans by placing them ahead of non-preference eligibles within each category. Preference eligibles who meet qualification requirements and have a compensable service-connected disability of at least 10 percent must be listed at the top of the highest quality category, except when the position being filled is scientific or professional at the GS-09 grade level or higher.

For the purpose of the Career Transition Assistance Program (CTAP) and the Interagency Career Transition Assistance Program (ICTAP), candidates rated in the top quality category are considered well-qualified.

## Benefits

NASA offers excellent benefit programs and competitive salaries. To learn more about pay and benefits at NASA, click *HERE* (<http://nasajobs.nasa.gov/benefits/benefits.htm> target=\_blank).

## Other Information

Any applicant tentatively selected for this position may be required to undergo a pre-employment background investigation.

Individuals who have special priority selection rights under the Agency Career Transition Assistance Program (CTAP) or the Interagency Career Transition Assistance Program (ICTAP) must be well qualified for the position to receive consideration for special priority selection. See 'How You Will Be Evaluated' for definition of well qualified.

Federal employees seeking CTAP/ICTAP consideration must indicate their eligibility when applying for a position. The USAJOBS resume asks you to identify your ICTAP eligibility; the NASA Supplemental Information asks you to identify your CTAP eligibility. If you are selected for the position, you must be prepared to submit proof that you meet the requirements for CTAP/ICTAP. This includes a copy of the agency notice, a copy of their most recent Performance Rating and a copy of their most recent SF-50 noting current position, grade level, and duty location.

As a condition of employment, male applicants born after December 31, 1959, must certify that they have registered with the Selective Service System, or are exempt from having to do so under the Selective Service Law.

In order to receive preference in hiring, you must clearly identify your claim for veterans preference on your resume.

U.S. citizenship is required. NASA's *Applicant Guide* ([https://resume.nasa.gov/applicant\\_guide.html](https://resume.nasa.gov/applicant_guide.html) *target=\_blank*) provides the information needed to assist you in determining whether or not you can claim 5 or 10 point veterans preference. You should not submit documents to prove your eligibility for veterans preference at this time. However, you must be prepared to submit proof of veterans preference (DD-214, and, if claiming 10-point preference, SF-15 plus proof required by that form) as requested by the Human Resources Office. Veterans preference will only be considered based on what is supported. For instance, if you claim 10-point preference, but are only able to document 5-point preference, you will be considered accordingly. If you fail to provide the required documents within the stated time period, we may withdraw a job offer and/or remove you from further consideration.

Your USAJOBS account asks you to assign a name to each of your resumes. When you apply to a NASA position, we will show you the text of the resume you have submitted, but we do not maintain the name you have assigned to that resume. If you wish to keep track of that information, we recommend you make note of it at the time you apply.



## How to Apply

This vacancy is being filled through NASA STARS, an automated Staffing and Recruitment System. NASA partners with USAJOBS in providing a seamless application process. Before you begin the application process, please read the vacancy announcement carefully and have all required information available. You may begin the process of submitting your resume by clicking on the 'Apply Online' link.

In order to be considered, you must submit a resume completed on the USAJOBS site. When completing your USAJOBS resume, please remember that NASA limits resumes to the equivalent of approximately SIX typed pages, or approximately 22,000 characters including spaces. You will NOT be allowed to complete the application process if your resume is too long or if your resume was uploaded to USAJobs from a second source. Additionally, NASA does not accept documents attached through USAJobs' document attachment feature.

Once you submit your resume to NASA, you will be asked to complete a short series of additional questions. You must finish the entire process in order to have a complete application package and receive consideration. Your answers will not be saved unless you finish the entire application.

You may edit a previously-submitted application, if the announcement is still open. For more information, see the *Applicant Guide*. ([https://resume.nasa.gov/applicant\\_guide.html](https://resume.nasa.gov/applicant_guide.html) target=\_blank)

If you are unable to apply electronically for this position, submit your resume and supplemental questions to: National Aeronautics and Space Administration (NASA), Resume Operations Center, Mailstop: HS50, Marshall Space Flight Center, AL 35812. DO NOT submit your resume directly to the Center advertising this vacancy. Mailed resumes must be received by the close of business on the closing date of the announcement. Hard copy resumes requirements are provided at: *Hard Copy Resume Requirements* (<http://nasajobs.nasa.gov/howtoapply/hardcopyresumes.htm> target=\_blank).

If you are a first time applicant, we recommend that you review NASA's *Applicant Guide* ([https://resume.nasa.gov/applicant\\_guide.html](https://resume.nasa.gov/applicant_guide.html) target=\_blank) to ensure that you are providing a complete resume. Failure to submit the supplemental data and a resume that contains all of the required information may result in loss of consideration for positions in which you are interested.

All applications must be received no later than midnight Eastern Time on the closing date of the announcement.

## **Required Documents**

NASA's application process has been specifically developed to ensure that we only ask you for the information we absolutely need to evaluate your qualifications and eligibility. In order to apply for this position, you only need to submit your resume and answer the screening questions and supplemental information. No additional documentation is accepted at the time of application. (For example you need not submit narrative 'KSA' statements; they are not required and will not be evaluated.) In this way we allow you to focus on preparing a resume that best describes your background and abilities. For assistance in preparing your resume, consult the *Applicant Guide* ([https://resume.nasa.gov/applicant\\_guide.html](https://resume.nasa.gov/applicant_guide.html) target=\_blank).

Nothing further is required until requested by the Human Resources Office. At that point, we may ask you to submit documentation to support statements made in your resume. For example, we may ask you to provide academic transcripts or proof of Federal employment status. If you are claiming veterans' preference, we may ask you to submit proof of veterans preference (DD-214, and, if claiming 10-point preference, SF-15 plus proof required by that form). If you fail to provide the required documents within the stated time period, we may withdraw a job offer and/or remove you from further consideration.

## **Contact**

B. Ketcham / 757-864-2558 / LaRC-DL-LaRC-Jobs@mail.nasa.gov

## **What to Expect Next**

Candidates for NASA positions are evaluated using our automated staffing and recruitment system, NASA STARS, which compares your skills and experience as described in your resume with the requirements of the position. If you are found to be a highly qualified candidate, you will be referred to the selecting official for further consideration. (In some cases, individuals with priority for special consideration must be considered and selected before other candidates.) Whether or not you are contacted for an interview depends upon the location of the position and the judgment of the selecting official.

At NASA, we pride ourselves on efficient and timely recruitment actions, and you can normally expect to learn the outcome of the selection process in a fairly short period of time. In addition, to ensure that you can measure progress for yourself, NASA provides you with regularly updated information on the status of the vacancy announcement.